

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A process for producing a diesel fuel comprising contacting in an isomerization/cracking reaction zone a feed having at least 40% C₁₀₊ normal paraffins and at least 20% C₂₆₊ paraffins with a catalyst comprising at least one Group VIII metal on a catalytic support and a hydrocracking catalyst to produce a product having an iso-paraffin to normal paraffin mole ratio of at least 5:1 and having a diminished level of C₂₆₊ paraffins.
2. (Canceled)
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18. (Canceled)
19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Canceled)
23. (Canceled)
24. (Previously presented) A process for producing a diesel fuel comprising contacting in a isomerization/cracking reaction zone a feed having at least 40% C₁₀₊ normal paraffins and at least 20% C₂₆₊ paraffins with a layered bed system comprising a hydrocracking catalyst, and a catalyst comprising at least one Group VIII metal and a molecular sieve on a catalytic support to produce a product having an iso-paraffin to normal paraffin mole ratio of at least 5:1 and having a diminished level of C₂₆₊ paraffins.
25. (Previously presented) A process according to Claim 24 wherein the molecular sieve is a silicoaluminophosphate and wherein the weight ratio of the hydrocracking catalyst to the silicoaluminophosphate molecular sieve containing catalyst is from about 1:5 to about 20:1.

26. (New) A process according to Claim 1 wherein said feed has at least 50% C₁₀₊ normal paraffins.
27. (New) A process according to Claim 26 wherein said feed has at least 70% C₁₀₊ normal paraffins.
28. (New) A process according to Claim 27 wherein said feed is derived from a Fischer-Tropsch catalytic process.
29. (New) A process according to Claim 1 wherein said diesel fuel has an iso-paraffin to normal paraffin mole ratio of at least 13:1.
30. (New) A process according to Claim 29 wherein said diesel fuel has an iso-paraffin to normal paraffin mole ratio of at least 21:1.
31. (New) A process according to Claim 30 wherein said diesel fuel has an iso-paraffin to normal paraffin mole ratio of at least 30:1.
32. (New) A process according to Claim 24 wherein said feed has at least 50% C₁₀₊ normal paraffins.
33. (New) A process according to Claim 32 wherein said feed has at least 70% C₁₀₊ normal paraffins.
34. (New) A process according to Claim 33 wherein said feed is derived from a Fischer-Tropsch catalytic process.
35. (New) A process according to Claim 24 wherein said diesel fuel has an iso-paraffin to normal paraffin mole ratio of at least 13:1.
36. (New) A process according to Claim 35 wherein said diesel fuel has an iso-paraffin to normal paraffin mole ratio of at least 21:1.
37. (New) A process according to Claim 36 wherein said diesel fuel has an iso-paraffin to normal paraffin mole ratio of at least 30:1.